

CLAIMS

1. A low positive pressure canned food having an internal pressure inspection aptitude in which contents are filled and sealed so that can internal pressure assumes at least a positive pressure state with respect to the outside atmospheric pressure, characterized in that said can internal pressure is in a range of from 0.2 to 0.8 kgf/cm², preferably 0.2 to 0.6 kgf/cm² at room temperature so as to have an internal pressure inspection aptitude.

2. The low positive pressure canned food according to claim 1, wherein said canned food is filled and sealed while the set internal pressure of said can internal pressure maintains the accuracy of ± 0.2 kgf/cm².

3. The low positive pressure canned food according to claim 1 or 2, wherein said canned food is filled and sealed in a seamless can having a body and a bottom integrally molded.

4. The low positive pressure canned food according to claim 3, wherein said seamless can is that the bottom has an annular ground portion in the vicinity of an outer peripheral portion, and said annular ground portion is internally provided with a substantial flat portion.

5. The low positive pressure canned food according to claim 1 or 2, wherein the content of said canned food comprises a low acid drink, and applied with retort sterilization processing after filling and sealing.

6. The low positive pressure canned food according to claim 1 or 2, wherein said canned food is that the can internal pressure is placed in a positive pressure state by a gas exchange method.

7. The low positive pressure canned food according to claim 1 or 2, wherein said internal pressure inspection aptitude comprises a tap test aptitude.

8. The low positive pressure canned food according to claim 1 or 2, wherein said internal pressure inspection aptitude comprises an internal pressure inspecting aptitude by measurement of a displacement amount of an outer peripheral portion of canned food with respect to a change in internal pressure.

9. The low positive pressure canned food according to claim 1 or 2, wherein said internal pressure inspection aptitude comprises an internal pressure inspecting aptitude by measurement of a reaction of an outer peripheral portion of canned food with respect to a change in internal pressure.

10. A can for low positive pressure canned food having an internal pressure

inspection aptitude characterized in that the body and a bottom are integrally molded in a seamless manner, said bottom has an annular ground portion (3, 11, 21, 26, 31) in the vicinity of an outer peripheral portion, the inside of said annular ground portion constitutes an internal rising wall (4, 12, 22) which rises inwardly of a can, and said internal rising wall is internally formed with a bottom wall (6, 14, 27, 34) which has a substantially flat shape and has a height of 0.5 to 6 mm from a ground position.

11. The can according to claim 10, wherein said internal rising wall (4, 12, 22) of said annular ground portion is formed at its bottom portion with an annular bead (5, 13, 16, 23, 32) whose depth from said bottom wall surface inwardly of the can is 0.1 to 4 mm.

12. The can according to claim 11, wherein a ground diameter of said bottom is 70 % to 98% of a diameter of the body, and a diameter of a flat portion of the bottom is 60% to 90% with respect to said ground diameter.

13. The can according to claim 10, 11 or 12, wherein an angle of inclination of said internal rising wall (4, 12, 22) is 65° to 110° .

14. The can according to claim 11 or 12, wherein said annular bead (5, 13, 16, 23, 32) has a gradually inclined portion continuous to the bottom wall from the top thereof.

15. A low positive pressure can according to claim 10 or 11, wherein a wall thickness of the bottom is 0.15 to 0.25 mm in case of steel material and 0.25 to 0.35 mm in case of aluminum material.